

ABSTRACT

A lift-assisted device having a patient support structure, a base, and an undercarriage. The device can be powered by a pneumatic cylinder and a compressed gas source. The undercarriage can be a scissors linkage having at least one first member being slidably connected to the patient support structure an upper end of the first member and pivotally connected to the base at a lower end of the first member, and at least one second scissors linkage member, the second scissors linkage member being pivotally connected to the first scissors linkage member. An upper end of the second member is pivotally connected to the patient support structure, and a lower end of the second member is pivotally connected to the base. The pneumatic cylinder is arranged for moving the upper end of the first member and the lower end of the second member with respect to the patient support structure.